

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2062_01_f_2013_2				
Comment Code					
Inspector Comment					
The O&M Manual is available at the LMA's office.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2062_01_s_2013_5				
Comment Code					
Inspector Comment					
Adequate flood fight supplies are available on-site.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2062_01_s_2013_8				
Comment Code					
Inspector Comment					
The LMA has a flood fight emergency response plan.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.64	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.00	Rating **	M	Issue No.	7
LM End	2.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.807450 °	37.789392 °
				-121.328023 °	-121.308986 °
DWR ID	DWR_RD2062_01_s_2016_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_309_7_20160421_00011.jpg



View of the vegetation on the waterside levee slope.

LM Start	0.72	Rating **	A/W	Issue No.	6
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.805138 °	37.805138 °
				-121.316420 °	-121.316420 °
DWR ID	DWR_RD2062_01_s_2015_6				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
New levee patrol road is being installed. Make sure all-weather access is available before next flood season.					

Photo 1 of 1 : SP_2016_RD2062_309_6_20160229_00001.jpg



View of the new patrol road installation in process.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.92	Rating **	M	Issue No.	17
LM End	3.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.796348 °	37.804630 °
				-121.358668 °	-121.379001 °
DWR ID	DWR_RD2062_02_s _ 2016_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.84	Rating **	N	Issue No.	3
LM End	2.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.803827 °	37.803827 °
				-121.372424 °	-121.372424 °
DWR ID	DWR_RD2062_02_s _ 2012_3				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Three small tree stumps.					

Photo 1 of 1 : SP_2016_RD2062_310_3_20160229_00001.jpg



Three small stumps on levee slope.

LM Start	2.88	Rating **	N	Issue No.	13
LM End	2.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.804060 °	37.804060 °
				-121.373245 °	-121.373245 °
DWR ID	DWR_RD2062_02_s _ 2012_13				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Four small oak stumps on levee slope.					

Photo 1 of 1 : SP_2016_RD2062_310_13_20160229_00003.jpg



View of tree stumps on waterside slope. 05/17/2012

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	2.98	Rating **	N	Issue No.	14
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.804452 °	37.804452 °
				-121.374903 °	-121.374903 °
DWR ID	DWR_RD2062_02_s_2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_310_14_20160229_00004.jpg



View of the tree stump in the middle of the photo.

LM Start	3.01	Rating **	N	Issue No.	15
LM End	3.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.804481 °	37.804481 °
				-121.375510 °	-121.375510 °
DWR ID	DWR_RD2062_02_s_2012_15				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_310_15_20160229_00005.jpg



View of the tree stumps on the waterside levee slope.

LM Start	3.20	Rating **	M	Issue No.	16
LM End	3.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.804630 °	37.804630 °
				-121.379001 °	-121.379001 °
DWR ID	DWR_RD2062_02_s_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	3.96	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	3.42	Rating **	M	Issue No.	12
LM End	3.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805456 °	37.806784 °
				-121.382809 °	-121.388437 °
DWR ID	DWR_RD2062_02_s_2016_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.42	Rating **	M	Issue No.	11	
LM End	3.91	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			37.805456 °		37.808525 °
				-121.382809 °		-121.390461 °
DWR ID	DWR_RD2062_02_s_2016_11					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

Photo 1 of 1 : SP_2016_RD2062_310_11_20160421_00030.jpg



View of the vegetation on the landside levee slope.

LM Start	3.64	Rating **	M	Issue No.	8
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.806347 °	37.806347 °
				-121.386692 °	-121.386692 °
DWR ID	DWR_RD2062_02_s_2014_8				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_310_8_20160229_00002.jpg



View of the erosion from surface runoff on the waterside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.00	Rating **	U	Issue No.	8
LM End	0.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809673 °	37.809673 °
				-121.390321 °	-121.390321 °
DWR ID	DWR_RD2062_03_s_2016_8				
Comment Code					
Inspector Comment					
06/25/2015: No significant change observed.					
07/02/2014: No significant change observed.					
08/13/2013: No significant change observed.					
08/07/2012: The site has been visited by boat survey. No significant change observed					
08/23/2011: Site is at the upstream of a drainage ditch. [2015 Site ID:RD2062U03RM29.93]					

LM Start	0.00	Rating **	U	Issue No.	8 (cont)
LM End	0.09	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_RD2062_311_8_20160229_00013.jpg



Front view of the erosion.

Photo 2 of 3 : SP_2016_RD2062_311_8_20160229_00014.jpg



Close view of the erosion.

Photo 3 of 3 : SP_2016_RD2062_311_8_20160229_00015.jpg



Front view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.08	Rating **	N	Issue No.	3
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.809727 °	37.809727 °
				-121.389100 °	-121.389100 °
DWR ID	DWR_RD2062_03_f_2012_3				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_311_3_20160229_00006.jpg



View of tree stumps on waterside slope.

LM Start	0.09	Rating **	M	Issue No.	37
LM End	0.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.809783 °	37.812930 °
				-121.388953 °	-121.382901 °
DWR ID	DWR_RD2062_03_s_2016_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.10	Rating **	U	Issue No.	9	
LM End	0.11	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.810052 °	37.810052 °	
				-121.388847 °	-121.388847 °	
DWR ID	DWR_RD2062_03_s_2016_9					
Comment Code						
Inspector Comment						
06/25/2015: No significant change observed.						
07/02/2014: No significant change observed.						
08/13/2013: No significant change observed.						
08/07/2012: The site has been visited by boat survey. No significant change observed						
08/23/2011: Hard to view the erosion because of the dense vegetation and trees on site. The site is under the bush, close to the tree. [2015 Site ID:RD2062U03RM30.02]						

LM Start	0.10	Rating **	U	Issue No.	9 (cont)
LM End	0.11	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_RD2062_311_9_20160229_00016.jpg



Close view of the site. Note the vegetation.

Photo 2 of 3 : SP_2016_RD2062_311_9_20160229_00017.jpg



Front view of the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.10	Rating **	U	Issue No.	9 (cont)	
LM End	0.11	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.810052 °	37.810052 °	
				-121.388847 °	-121.388847 °	
DWR ID	DWR_RD2062_03_s_2016_9					
Comment Code						
Inspector Comment						
06/25/2015: No significant change observed.						
07/02/2014: No significant change observed.						
08/13/2013: No significant change observed.						
08/07/2012: The site has been visited by boat survey. No significant change observed						
08/23/2011: Hard to view the erosion because of the dense vegetation and trees on site. The site is under the bush, close to the tree. [2015 Site ID:RD2062U03RM30.02]						

Photo 3 of 3 : SP_2016_RD2062_311_9_20160229_00018.jpg



View of the site from downstream.

LM Start	0.17	Rating **	N	Issue No.	6
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.810194°	37.810194°
				-121.387602°	-121.387602°
DWR ID	DWR_RD2062_03_s_2012_6				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.18	Rating **	M	Issue No.	13
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810468 °	37.810468 °
				-121.387492 °	-121.387492 °
DWR ID	DWR_RD2062_03_s_2016_13				
Comment Code					
Inspector Comment					
06/25/2015: No significant change observed.					
07/02/2014: No significant change observed.					
08/13/2013: No significant change observed.					
08/07/2012: The site has been visited by boat survey. No significant change observed					
08/23/2011: The protection at the levee toe has been washed away.					
[2015 Site ID:RD2062U03RM30.1]					

Photo 1 of 2 : SP_2016_RD2062_311_13_20160229_00023.jpg



Direct view of the site.

LM Start	0.18	Rating **	M	Issue No.	13 (cont)
LM End	0.18	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2016_RD2062_311_13_20160229_00024.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.22	Rating **	U	Issue No.	17
LM End	0.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810609 °	37.810609 °
				-121.385879 °	-121.385879 °
DWR ID	DWR_RD2062_03_s _ 2016_17				

Comment Code

Inspector Comment

06/25/2015: No significant change observed.
 07/02/2014: No significant change observed.
 08/13/2013: A new pocket erosion at the upper levee slope has been found directly above a large tree. The erosion might have been caused by internal pipe leakage or surface runoff.
 08/07/2012: The site has been visited by boat survey. No significant change observed
 08/23/2011: No significant change observed on site. Dense vegetation is visible along the water line.
 09/07/2010: No significant change observed on site. Much of the upper slope was recently cleared of vegetation by spraying. 4- to 6-foot vertical scarp and pocket erosions are lined along a span of 475 feet. In some sections, the vertical scarp encroaches into the levee prism. There is a lack of berm along this reach, exposing the levee slope to high flow velocities during normal and flood events.
 08/06/2010: Recommended as local maintenance issue, per CLRO.
 03/09/2010: As discussed with Michael Moncrief of MBK Engineers, the site will be 'addressed' later this year.
 09/29/2009: No major change observed since last visit; pocket erosion and a vertical scarp forming; this site was combined with Site RM30.13 and 30.02 with a combined total erosion length of 475 feet; recommended as annual assessment and monitoring of the site, per CLRO CES Evaluation 2008 Report; previously rated "M".
 11/05/2008: Top of vertical scarp has rip rap that appears to be sliding; rodent holes; existing toe rip rap. [2015 Site ID:RD2062U03RM30.19]

LM Start	0.22	Rating **	U	Issue No.	17 (cont)
LM End	0.31	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_RD2062_311_17_20160229_00026.jpg



Front view of the existing erosion at the toe.

Photo 2 of 3 : SP_2016_RD2062_311_17_20160229_00027.jpg



View of the pocket erosion and the tree.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.22	Rating **	U	Issue No.	17 (cont)	
LM End	0.31	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.810609 °	37.810609 °	
				-121.385879 °	-121.385879 °	
DWR ID	DWR_RD2062_03_s_2016_17					
Comment Code						
Inspector Comment						
06/25/2015: No significant change observed.						
07/02/2014: No significant change observed.						
08/13/2013: A new pocket erosion at the upper levee slope has been found directly above a large tree. The erosion might have been caused by internal pipe leakage or surface runoff.						
08/07/2012: The site has been visited by boat survey. No significant change observed						
08/23/2011: No significant change observed on site. Dense vegetation is visible along the water line.						
09/07/2010: No significant change observed on site. Much of the upper slope was recently cleared of vegetation by spraying. 4- to 6-foot vertical scarp and pocket erosions are lined along a span of 475 feet. In some sections, the vertical scarp encroaches into the levee prism. There is a lack of berm along this reach, exposing the levee slope to high flow velocities during normal and flood events.						
08/06/2010: Recommended as local maintenance issue, per CLRO.						
03/09/2010: As discussed with Michael Moncrief of MBK Engineers, the site will be 'addressed' later this year.						
09/29/2009: No major change observed since last visit; pocket erosion and a vertical scarp forming; this site was combined with Site RM30.13 and 30.02 with a combined total erosion length of 475 feet; recommended as annual assessment and monitoring of the site, per CLRO CES Evaluation 2008 Report; previously rated "M".						
11/05/2008: Top of vertical scarp has rip rap that appears to be sliding; rodent holes; existing toe rip rap. [2015 Site ID:RD2062U03RM30.19]						

Photo 3 of 3 : SP_2016_RD2062_311_17_20160229_00028.jpg



Close view of the pocket erosion.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.35	Rating **	M	Issue No.	1
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.811281 °	37.811281 °
				-121.384461 °	-121.384461 °
DWR ID	DWR_RD2062_03_s_2016_1				
Comment Code					
Inspector Comment					
06/25/2015: No significant change observed.					
07/02/2014: No significant change observed.					
08/13/2013: No significant change observed.					
08/07/2012: The site has been visited by boat survey. No significant change observed					
08/23/2011: The site is right at the downstream of a river bend. [2015 Site ID:RD2062U03RM30.27]					

LM Start	0.35	Rating **	M	Issue No.	1 (cont)
LM End	0.35	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2016_RD2062_311_1_20160229_00001.jpg



Front view of the erosion.

Photo 2 of 2 : SP_2016_RD2062_311_1_20160229_00002.jpg



Close view of the site. Note the piled concrete debris.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.51	Rating **	M	Issue No.	38
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.812552 °	37.812552 °
				-121.382781 °	-121.382781 °
DWR ID	DWR_RD2062_03_s_2016_38				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_311_38_20160421_00053.jpg



View of the landside levee slope erosion around the pipe.

LM Start	0.55	Rating **	M	Issue No.	2
LM End	0.56	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.813070 °	37.813070 °
				-121.383100 °	-121.383100 °
DWR ID	DWR_RD2062_03_s_2016_2				
Comment Code					
Inspector Comment					
06/25/2015: No significant change observed.					
07/02/2014: No significant change observed.					
08/13/2013: No significant change observed.					
08/07/2012: The site has been visited by boat survey. No significant change observed.					
08/23/2011: No significant change observed on site.					
09/07/2010: No significant change observed on site. Much of the placed rip rap revetment has slid. It is no longer adequately protecting the slope.					
08/06/2010: Recommended as local maintenance issue, per CLRO Report.					
03/09/2010: As discussed with Michael Moncrief of MBK, site will be 'addressed' this year.					
09/29/2009: No major change observed since last visit; a section of the rip rap has slipped, exposing a levee section that has eroded; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM30.43,LM0.63; previously rated "U".					
11/05/2008: Site is located inside of a bend; scarp looks to be into the levee prism; piles of concrete chunks placed on the slope, with some of them already starting to slide. [2015 Site ID:RD2062U03RM30.43]					

Photo 1 of 3 : SP_2016_RD2062_311_2_20160229_00003.jpg



Front view of the site.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.55	Rating **	M	Issue No.	2 (cont)
LM End	0.56	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.813070 °	37.813070 °
				-121.383100 °	-121.383100 °
DWR ID	DWR_RD2062_03_s _ 2016_2				
Comment Code					
Inspector Comment					
06/25/2015: No significant change observed.					
07/02/2014: No significant change observed.					
08/13/2013: No significant change observed.					
08/07/2012: The site has been visited by boat survey. No significant change observed.					
08/23/2011: No significant change observed on site.					
09/07/2010: No significant change observed on site. Much of the placed rip rap revetment has slid. It is no longer adequately protecting the slope.					
08/06/2010: Recommended as local maintenance issue, per CLRO Report.					
03/09/2010: As discussed with Michael Moncrief of MBK, site will be 'addressed' this year.					
09/29/2009: No major change observed since last visit; a section of the rip rap has slipped, exposing a levee section that has eroded; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM30.43,LM0.63; previously rated "U".					
11/05/2008: Site is located inside of a bend; scarp looks to be into the levee prism; piles of concrete chunks placed on the slope, with some of them already starting to slide. [2015 Site ID:RD2062U03RM30.43]					

LM Start	0.55	Rating **	M	Issue No.	2 (cont)
LM End	0.56	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2016_RD2062_311_2_20160229_00004.jpg



Front view of the site. Previously placed rip rap slipped, exposing the underlying soils and creating a pocket.

Photo 3 of 3 : SP_2016_RD2062_311_2_20160229_00005.jpg



Front view of the site. Rip rap no longer adequately protecting levee slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.61	Rating **	N	Issue No.	10
LM End	0.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.813570 °	37.813570 °
				-121.382094 °	-121.382094 °
DWR ID	DWR_RD2062_03_s_2012_10				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Stump in slope.					

Photo 1 of 1 : SP_2016_RD2062_311_10_20160229_00019.jpg



05/11/2011 Stump in slope, new growth in center of photo is at the location of the stump.

LM Start	0.64	Rating **	N	Issue No.	12
LM End	0.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.813894 °	37.813894 °
				-121.381680 °	-121.381680 °
DWR ID	DWR_RD2062_03_s_2012_12				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
2 stumps on waterside slope.					

Photo 1 of 1 : SP_2016_RD2062_311_12_20160229_00022.jpg



View of the tree stumps on the waterside levee slope.

LM Start	0.81	Rating **	A/W	Issue No.	11
LM End	0.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.816315 °	37.816315 °
				-121.381587 °	-121.381587 °
DWR ID	DWR_RD2062_03_s_2012_11				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Cracking developing along the waterside levee hinge.					

Photo 1 of 2 : SP_2016_RD2062_311_11_20160229_00020.jpg



View of slope erosion from foot traffic.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	0.81	Rating **	A/W	Issue No.	11 (cont)	
LM End	0.81	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.816315 °		37.816315 °
				-121.381587 °		-121.381587 °
DWR ID	DWR_RD2062_03_s_2012_11					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Cracking developing along the waterside levee hinge.						

Photo 2 of 2 : SP_2016_RD2062_311_11_20160229_00021.jpg



View of cracking at waterside levee hinge.

LM Start	1.04	Rating **	M	Issue No.	36
LM End	1.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.817764 °	37.817764 °
				-121.378623 °	-121.378623 °
DWR ID	DWR_RD2062_03_s_2016_36				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_311_36_20160421_00054.jpg



View of the tree at the landside levee toe.

LM Start	1.05	Rating **	A/W	Issue No.	34
LM End	1.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.817897 °	37.817897 °
				-121.378649 °	-121.378649 °
DWR ID	DWR_RD2062_03_f_2015_34				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
LMA grouted rodent burrows.					

Photo 1 of 1 : SP_2016_RD2062_311_34_20160229_00033.jpg



View of the rodent burrows at the landside levee toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.18	Rating **	U	Issue No.	4
LM End	1.19	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.819290 °	37.819290 °
				-121.378880 °	-121.378880 °
DWR ID	DWR_RD2062_03_s_2016_4				

Comment Code

Inspector Comment

06/25/2015: No significant change observed.
 07/02/2014: No significant change observed.
 08/13/2013: No significant change observed.
 08/07/2012: The site has been visited by boat survey. No significant change observed
 08/23/2011: No significant change observed on site.
 09/07/2010: No significant change observed on site. Much of the seasonal grass along the slope was cleared. Site consists of an existing scalloped erosion approximately 30 feet long by 5 feet wide at its widest opening. The lateral crack is extended outwards along the middle slope. There is a 1 to 2 feet of differential settlement that could further develop into a shallow slide.
 08/06/2010: Recommended as local maintenance issue, per CLRO.
 03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' this year.
 09/28/2009: No major change observed; section of rip rap has slipped, creating a terraced effect; dense vegetation growth; recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.12,LM1.25; previously rated "U".
 09/14/2006: 1-2' into prism. [2015 Site ID:RD2062U03RM31.12]

LM Start	1.18	Rating **	U	Issue No.	4 (cont)
LM End	1.19	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2016_RD2062_311_4_20160229_00007.jpg



Close view of the site.

Photo 2 of 2 : SP_2016_RD2062_311_4_20160229_00008.jpg



Front view of the site.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.31	Rating **	M	Issue No.	32
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.820390 °	37.820390 °
				-121.377148 °	-121.377148 °
DWR ID	DWR_RD2062_03_s_2016_32				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_311_32_20160421_00052.jpg



View of the tire tracks on the waterside levee slope.

LM Start	1.35	Rating **	A/W	Issue No.	18
LM End	1.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.820885 °	37.820885 °
				-121.376986 °	-121.376986 °
DWR ID	DWR_RD2062_03_s_2012_18				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bush blocks visibility.					

Photo 1 of 1 : SP_2016_RD2062_311_18_20160229_00029.jpg



05/11/2011 Elderberry bush on water side slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.39	Rating **	U	Issue No.	5
LM End	1.40	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.821380 °	37.821380 °
				-121.376900 °	-121.376900 °
DWR ID	DWR_RD2062_03_s _ 2016_5				

Comment Code

Inspector Comment

06/25/2015: No significant change observed.
 07/02/2014: No significant change observed.
 08/13/2013: No significant change observed.
 08/07/2012: The site has been visited by boat survey. No significant change observed
 08/23/2011: No significant change observed on site.
 09/07/2010: No significant change observed on site. There is a small- to medium sized Oak tree on the mid-slope just above rip rap. Some of the rip rap has collapsed, creating a pocket erosion just above the existing toe rip rap and upstream of the Oak tree.
 08/06/2010: Recommended as local maintenance issue, per CLRO.
 03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' in 2010.
 09/29/2009: No major change since last visit; sliding of the rip rap at the base of the lone tree; there is noticeable man-made trail and foot traffic extending from the crown to the toe; much of the broken concrete used as temporary rip rap has slid, exposing portion of the bare levee slope; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.3, LM1.45; previously rated "M".
 11/05/2008: Portion of rip rap collapsing.
 09/14/2006: Portion of rip rap along the slope has collapsed; exposed levee section is starting to erode, exposing roots from the nearby tree.
 [2015 Site ID:RD2062U03RM31.28]

LM Start	1.39	Rating **	U	Issue No.	5 (cont)
LM End	1.40	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2016_RD2062_311_5_20160229_00009.jpg



Front view of the site. Note existing broken concrete on the upper slope as well as on the lower slope and at the toe.

Photo 2 of 3 : SP_2016_RD2062_311_5_20160229_00010.jpg



A closer view of the site.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.39	Rating **	U	Issue No.	5 (cont)	
LM End	1.40	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.821380 °	37.821380 °	
				-121.376900 °	-121.376900 °	
DWR ID	DWR_RD2062_03_s _ 2016_5					
Comment Code						
Inspector Comment						
06/25/2015: No significant change observed.						
07/02/2014: No significant change observed.						
08/13/2013: No significant change observed.						
08/07/2012: The site has been visited by boat survey. No significant change observed						
08/23/2011: No significant change observed on site.						
09/07/2010: No significant change observed on site. There is a small- to medium sized Oak tree on the mid-slope just above rip rap. Some of the rip rap has collapsed, creating a pocket erosion just above the existing toe rip rap and upstream of the Oak tree.						
08/06/2010: Recommended as local maintenance issue, per CLRO.						
03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' in 2010.						
09/29/2009: No major change since last visit; sliding of the rip rap at the base of the lone tree; there is noticeable man-made trail and foot traffic extending from the crown to the toe; much of the broken concrete used as temporary rip rap has slid, exposing portion of the bare levee slope; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.3, LM1.45; previously rated "M".						
11/05/2008: Portion of rip rap collapsing.						
09/14/2006: Portion of rip rap along the slope has collapsed; exposed levee section is starting to erode, exposing roots from the nearby tree.						
[2015 Site ID:RD2062U03RM31.28]						

Photo 3 of 3 : SP_2016_RD2062_311_5_20160229_00011.jpg



Front view of the site.

LM Start	1.50	Rating **	N	Issue No.	14
LM End	1.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.821388 °	37.821388 °
				-121.374947 °	-121.374947 °
DWR ID	DWR_RD2062_03_s _ 2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	1.61	Rating **	M	Issue No.	29
LM End	1.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.820833 °	37.820833 °
				-121.373152 °	-121.373152 °
DWR ID	DWR_RD2062_03_s _ 2016_29				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_311_29_20160421_00051.jpg



View of a tire rut on the landside levee hinge.

LM Start	1.66	Rating **	N	Issue No.	15
LM End	1.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.820890 °	37.820890 °
				-121.372227 °	-121.372227 °
DWR ID	DWR_RD2062_03_s _ 2012_15				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_311_15_20160229_00025.jpg



View of the tree stump on the waterside levee slope.

LM Start	1.75	Rating **	N	Issue No.	16
LM End	1.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.820902 °	37.820902 °
				-121.370565 °	-121.370565 °
DWR ID	DWR_RD2062_03_s _ 2012_16				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	2.51	Rating **	A/W	Issue No.	30
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.816930 °	37.816930 °
				-121.359025 °	-121.359025 °
DWR ID	DWR_RD2062_03_f_2015_30				
Comment Code					
Inspector Comment					
LMA grouted the rodent burrow.					

Photo 1 of 1 : SP_2016_RD2062_311_30_20160229_00031.jpg



View of the rodent hole on the landside levee slope.

LM Start	2.79	Rating **	N	Issue No.	22
LM End	2.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.816341 °	37.816341 °
				-121.354008 °	-121.354008 °
DWR ID	DWR_RD2062_03_s_2012_22				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.85	Rating **	N	Issue No.	23
LM End	2.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.816330 °	37.816330 °
				-121.352775 °	-121.352775 °
DWR ID	DWR_RD2062_03_s_2012_23				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	3.04	Rating **	N	Issue No.	25
LM End	3.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.817791 °	37.817791 °
				-121.350088 °	-121.350088 °
DWR ID	DWR_RD2062_03_s _ 2012_25				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	3.10	Rating **	N	Issue No.	26
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.818532 °	37.818532 °
				-121.349510 °	-121.349510 °
DWR ID	DWR_RD2062_03_s _ 2012_26				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_311_26_20160229_00030.jpg



View of the tree stump on the waterside levee slope.

LM Start	3.61	Rating **	M	Issue No.	31
LM End	3.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.816982 °	37.816541 °
				-121.342939 °	-121.342191 °
DWR ID	DWR_RD2062_03_s _ 2015_31				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
About a 3 ft vertical cut at the levee toe into the levee prism.					

Photo 1 of 1 : SP_2016_RD2062_311_31_20160229_00032.jpg



View of the eroded landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	4.14	Rating **	N	Issue No.	33
LM End	4.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.820407 °	37.820407 °
				-121.338122 °	-121.338122 °
DWR ID	DWR_RD2062_03_s_2012_33				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.75	Rating **	N	Issue No.	7
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.813986 °	37.813986 °
				-121.335821 °	-121.335821 °
DWR ID	DWR_RD2062_03_s_2012_7				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
14" stump on landside slope.					

Photo 1 of 1 : SP_2016_RD2062_311_7_20160229_00012.jpg



10/21/2011 Photo taken the next day. Stump can be seen in the lower center of the photo.

LM Start	4.83	Rating **	M	Issue No.	35
LM End	4.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.812849 °	37.811682 °
				-121.336116 °	-121.336271 °
DWR ID	DWR_RD2062_03_f_2014_35				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
2 to 3 feet vertical cut possibly caused by previous floods.					

Photo 1 of 1 : SP_2016_RD2062_311_35_20160229_00034.jpg



View of a 2-3 feet vertical cut at the landside levee toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.55	04/20/2016 04/20/2016	Maksim Khashchuk

LM Start	5.16	Rating **	M	Issue No.	28
LM End	5.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.808340 °	37.808340 °
				-121.334932 °	-121.334932 °
DWR ID	DWR_RD2062_03_s_2016_28				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2062_311_28_20160421_00050.jpg



View of the vehicle tracks on the landside levee slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement